BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAAPURA

***Name of Work**: Estimate for Constuction of CC Drain and Covering Slabs at in Ward No. 10, (Doddabommasandra), Vidyaranyapura Sub Division.*

JOB CODE: 010-20-000088

P-1771 Zonal POW Works

Estimated Cost: Rs. 20.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Construction of CC Drain and Covering Slabs at in Ward No. 10, [redacted]oddabommasandra), Vidyaranyapura Sub Division.**

			Estimate Cost:					**2000000.00**	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19**	Cum							
			1	120.00	1.00	1.00	120.00		
			1	105.00	1.00	1.00	105.00		
			1	83.00	1.00	1.00	83.00		
	Basic Rate	130.00					**308.00**	243.88	**75115.00**
	Area Weightage @ 6%	7.80							
	Sub Total	**137.80**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	**243.88**							
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm** and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 **Item No. 27.18 Page No. 222, PWD SR 2018-19**	cum							
	Bottom Concrete								
			1	120.00	1.00	0.15	18.00		
			1	105.00	1.00	0.15	15.75		
			1	83.00	1.00	0.15	12.45		
	Basic Rate	5115.00					**46.20**	5421.90	**250492.00**
	Area Weightage @ 6%	306.90							
	Total	**5421.90**							
3	Providing laying palin / reinforced cement concrete for side drains using M 20 nominal mix concrete with OPC at 300 kgs with 20 mm and down size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed well compacted for walls and bottom including cenmtering shuttering form work etc. complete as per approved drawing and design MORTH Specification No. 1500,1700,2200 Wall & Bottom thickness 15cm **Page No. 271, Item No. 37.59.2, PWD SR 2018-19**	Cum							
	Bottom Concrete								
			1	120.00	0.90	0.15	16.20		
			1	105.00	0.90	0.15	14.18		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	83.00	0.90	0.15	11.21		
	Side Wall								
			2	120.00	0.15	0.60	21.60		
			2	105.00	0.15	0.60	18.90		
			2	83.00	0.15	0.60	14.94		
	Basic Rate	6670.00					**97.02**	7070.20	**685951.00**
	Area Weightage @ 6%	400.20							
	Total	**7070.20**							
4	Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. **TMT bars Fe 500 Page No. 229 / Item No. 28.8.2, PWD SR 2018-19**	Tonne							
	For RCC Drain @ 60 Kg / Cum		0.06	97.02			**5.82**	72326.98	**421030.00**
	Basic Rate	68233.00							
	Area Weightage @ 6%	4093.98							
	Total	**72326.98**							
5	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 27 / Item No. 5.31.1 PWD SR 2018-19**	Sqm							
	For Covering Slab								
			1	120.00		0.90	108.00		
			1	105.00		0.90	94.50		
			1	83.00		0.90	74.70		
	Basic Rate	700.00		308.00			**277.20**	742.00	**205682.00**
	Area Weightage @ 6%	42.00							
	Total	**742.00**							
6	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 26 / Item No. 5.22, PWD SR 2018-19**	m							
			513	3.00			**1540.00**	61.48	**94679.00**
	Basic Rate	58.00							
	Area Weightage @ 6%	3.48							
	Total	**61.48**							
7	Providing and laying in position **plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size** graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page. No. 255 / Item No.34.11 of PWD SR 2018-19**	cum							
	Covering Slab Ramp								

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1	120.00	0.30	0.10	3.60		
			1	105.00	0.30	0.10	3.15		
			1	83.00	0.30	0.10	2.49		
	Basic Rate	5283.00					**9.24**	5599.98	**51744.00**
	Area Weightage @ 6%	316.98							
	Total	**5599.98**							
	Sub Total								**1784693.00**
	GST @12%								**214163.00**
	Miscellaneous and other Charges	L/S							**1144.00**
								Total	**2000000.00**
Rupees Twenty Lakh(s) Only									

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19.
3 This work included under 2019-20 POW Grants.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval

Accorded For Rs 20.00 Lakhs only
Head of A/C...P.1771.....
CER NO :....157..... Dt:20.03.2020

TA

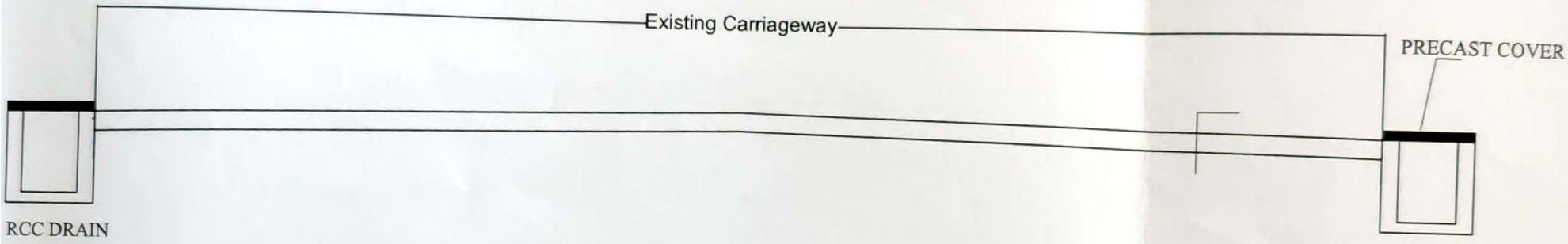
CE (YNK)

TECHNICAL SANCTION

Accorded For Rs. 20.00 Lakhs only
Head of A/c. P1771
Div. Ref. No. 56 Date 24/4/2020

AE

EE(BTP)



TYPICAL CROSS SECTION OF RCC DRAIN

Suvitha. N K
AE W10

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

152 - BYATARAYANAPURA AC
WARD NAME : 10 - DODDA BOMMASANDRA